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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/726,571
Applicant : Hasan KHATIB
Filed : December 4, 2003

Docket No. : 011335.52842US
Customer No. : 23911

Title : METHODS AND COMPOSITIONS FOR GENETICALLY
DETECTING IMPROVED MILD PRODUCTION TRAITS IN
CATTLE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97 and 1.98

Sir:

This supplements the Information Disclosure Statement submitted in the above-identified application on May 11, 2004.

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

The relevance of these references to the subject matter of the present invention is given in the specification of the present invention.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office

Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #011335.52842US).

Respectfully submitted,

June 1, 2004



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/726.571
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Filing Date	December 4, 2003
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First Named Inventor	Hasan KHATIB
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Art Unit

Examiner Name _____

Attorney Docket Number	011335.52842US
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NON PATENT LITERATURE DOCUMENTSExaminer
Initials*Cite
No.¹

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

T2

Blank, C. A., and M. Brantly. 1994. Clinical features and molecular characteristics of α 1-antitrypsin deficiency. *Ann Allergy* 72: 105-120.

Bovenhuis, H., and C. Schroooten. 2002. Quantitative trait loci for milk production traits in dairy cattle. Proc. 7th World Congr. Genet. Appl. Livest. Prod., Montpellier, France.

Grisart, B., W. Coppieters, F. Farnir, L. Karim, C. Ford, N. Cambisano, M. Mni, S. Reid, R. Spelman, M. George, and R. Snell. 2002. Positional candidate cloning of a QTL in dairy cattle: identification of a missense mutation in the bovine DGAT1 gene with major effect on milk yield and composition. *Genome Res.* 12:222-231.

Lien S., L. Gomez-Raya, T. Steine, E. Firmland, and S. Roger. 1995. Associations between Casein Haplotypes and milk yield traits. *J. Dairy Science* 78: 2047-2056.

Shook, G. 1989. Selection for disease resistance. J. Dairy Sci. 72: 1349-1362.

VanRaden, P. M., and G. R. Wiggans. 1995. Productive life evaluations: calculation, accuracy, and economic value. *J. Dairy Sci.* 78:631-638.

Weller, J., Y. Kashi, and M. Soller. 1990. Daughter and granddaughter design for mapping of quantitative trait loci in dairy cattle. *J. Dairy Sci.* 73: 2525-2537.

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Date
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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